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(FILE 'HCAPLUS' ENTERED AT 12:46:03 ON 24 JAN 2003)

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HAPTEN# OR EPITOPE#)

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L5 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:90102 HCAPLUS  
DOCUMENT NUMBER: 136:146183  
TITLE: Nucleic acid and protein compositions and methods for  
the diagnosis and treatment of disorders involving  
angiogenesis  
INVENTOR(S): Baker, Kevin P.; Ferrara, Napoleone; Gerber,  
Hanspeter; Gerritsen, Mary E.; Goddard, Audrey;  
Godowski, Paul J.; Gurney, Austin L.; Hillan, Kenneth  
J.; Marsters, Scot A.; Pan, James; Paoni, Nicholas F.;  
Stephan, Jean-Philippe F.; Watanabe, Colin K.;  
Williams, P. Mickey; Wood, William I.; Ye, Weilan  
Genentech, Inc., USA  
PATENT ASSIGNEE(S):  
SOURCE: PCT Int. Appl., 567 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 113  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008284	A2	20020131	WO 2001-US21735	20010709
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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US 2002161199	A1	20021031	US 2001-938418	20010823
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WO 2002101069	A2	20021219	WO 2002-US10513	20020403
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PRIORITY APPLN. INFO.:		US 2000-219556P	P	20000720
		US 2000-220624P	P	20000725
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		WO 2000-US20710	W	20000728

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WO 2001-US26626	W	20010823

AB Nucleic acid and protein compns. and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Thus, 187 cDNAs and their encoded protein sequences isolated from human cDNA libraries are identified by extracellular domain homol. screening, amylase screening, and signal algorithm anal. The pharmaceutical compns. are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compns. herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, **antibodies** which bind to the polypeptides of the present invention, and to methods for producing the polypeptides of the present invention.

L5 ANSWER 2 OF 5 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:10508 HCPLUS  
DOCUMENT NUMBER: 136:65268  
TITLE: Human nucleic acid and encoded protein compositions and methods for the diagnosis and treatment of disorders involving angiogenesis  
INVENTOR(S): Baker, Kevin P.; Ferrara, Napoleone; Gerber, Hanspeter; Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Hillan, Kenneth J.; Marsters, Scot A.; Pan, James; Paoni, Nicholas F.; Stephan, Jean-Philippe F.; Watanabe, Colin K.; Williams, P. Mickey; Wood, William I.; Ye, Weilan  
PATENT ASSIGNEE(S): Genentech, Inc., USA  
SOURCE: PCT Int. Appl., 565 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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AB Compns. and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Thus, 187 cDNA clones encoding secreted and/or transmembrane proteins were isolated from various human cDNA libraries using extracellular domain homol. screening, amylase screening, and signal algorithm anal. The proteins exhibit useful biol. activities in various assays: stimulation of endothelial cell proliferation, inducing cardiac hypertrophy, inducing endothelial cell apoptosis, stimulating smooth muscle cell growth, inducing angiogenesis by stimulating endothelial cell tube formation in HUVEC cells, and induction of c-fos in HUVEC cells. Pharmaceutical compns. are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compns. herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy. In addn., the present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, **antibodies** which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 3 OF 5 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2001:417147 HCPLUS  
DOCUMENT NUMBER: 135:29838  
TITLE: Secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses  
INVENTOR(S): Baker, Kevin; Beresini, Maureen; Deforge, Laura; Desnoyers, Luc; Filvaroff, Ellen; Gao, Wei Qiang; Gerritsen, Amry E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Gherwood, Steven; Smith, Victoria; Stewart, Timothy A.; Tumas, Daniel; Watanabe, Colin K.; Wood, William I.; Zhang, Zemin  
PATENT ASSIGNEE(S): Genentech, Inc., USA  
SOURCE: PCT Int. Appl., 813 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 113  
 PATENT INFORMATION:

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WO 2001040466	A2	20010607	WO 2000-US32678	20001201
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AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, **antibodies** which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. The proteins show overexpression in cancer and may of diagnostic use. Certain of the proteins were found to form complexes with one another.

L5 ANSWER 4 OF 5 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:384419 HCPLUS  
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 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
 INVENTOR(S): Baker, Kevin P.; Botstein, David; Eaton, Dan L.; Ferrara, Napoleone; Filvaroff, Ellen; Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul J.; Grimaldi, Christopher J.; Gurney, Austin L.; Hillan, Kenneth J.; Kljavin, Ivar J.; Napier, Mary A.; Roy, Margaret Ann; Tumas, Daniel; Wood, William I.  
 PATENT ASSIGNEE(S): Genentech, Inc., USA  
 SOURCE: PCT Int. Appl., 187 pp.  
 CODEN: PIXXD2  
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 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 113  
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AB The present invention is directed to secreted and transmembrane polypeptides and to nucleic acid mols. encoding those polypeptides. Eighteen cDNAs were identified by screening the deduced amino acid sequences for extracellular domain homol., and the cDNA clones isolated by amylase screening. Also provided herein are vectors and host cells

comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, **antibodies** which bind to the polypeptides of the present invention, and to methods for producing the polypeptides of the present invention.

L5 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1999:375661 HCPLUS  
 DOCUMENT NUMBER: 131:28644  
 TITLE: Human cDNAs encoding secreted and transmembrane polypeptides  
 INVENTOR(S): Wood, William I.; Goddard, Audrey; Gurney, Austin L.;  
 Yuan, Jean; Baker, Kevin P.; Chen, Jian  
 PATENT ASSIGNEE(S): Genentech, Inc., USA  
 SOURCE: PCT Int. Appl., 123 pp.  
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 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
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 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2001-941992	A1	20010828
US 2002-52586	A1	20020115

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Seventeen cDNAs encoding fifteen secreted and/or transmembrane protein products are provided. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, **antibodies** which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

=> d que 17  
L1 4 SEA FILE=REGISTRY MKEYVLLLFLALCSAKPFFSPSHIALKNMMLKDMEDTDDDDDDDD  
DDDDDEDNSLFPTREPRSHF.{0-}VGVNDFCPTVPKMKSLYSAILSFLNNPVKYWEMQPATF  
RCVLSRMSVQLGNFGM/SQSP  
L2 20 SEA FILE=REGISTRY LKNMMLKDM|FPTREPRSHF|GLTSVPTNIP|FKGLTSLYGL|L  
SHNQLSEIP|QKDTFKGMNA|VFHIRIAEAK|KISTVELEDF|NIPRVREIHL|IFLHSNSIA  
R|NPVKYWEMQP|MSVQLGNFGM/SQSP  
L3 6 SEA FILE=HCAPLUS L1  
L4 23 SEA FILE=HCAPLUS L2  
L5 5 SEA FILE=HCAPLUS L3 AND (ANTIBOD? OR IMMUNOGLOBULIN# OR  
HAPTEN# OR EPITOPE#)  
L6 14 SEA FILE=HCAPLUS L4 AND (ANTIBOD? OR IMMUNOGLOBULIN# OR  
HAPTEN# OR EPITOPE#)  
L7 9 SEA FILE=HCAPLUS L6 NOT L5

=> d ibib abs 17 1-9

L7 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2003 ACS

Foley 09/944, 457

ACCESSION NUMBER: 2002:702433 HCPLUS  
DOCUMENT NUMBER: Correction of: 2002:256424  
137:196769  
TITLE: Correction of: 136:243000  
Human nucleic acids and their encoded proteins and  
**antibodies**  
INVENTOR(S): Rosen, Craig A.; Birse, Charles E.  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA  
SOURCE: PCT Int. Appl., 1243 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 90  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002026930	A2	20020404	WO 2001-US29838	20010925
WO 2002026930	C2	20020704		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2000-235484P P 20000926

AB The present invention relates to novel proteins. More specifically, 176 isolated cDNA mols. are provided encoding novel human polypeptides. Novel polypeptides and **antibodies** that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and **antibodies**. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compns. for inhibiting or enhancing the prodn. and function of the polypeptides of the present invention.

L7 ANSWER 2 OF 9 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:575296 HCPLUS  
DOCUMENT NUMBER: 137:152024  
TITLE: Methods of diagnosis of breast cancer, compositions  
and methods of screening for modulators of breast  
cancer  
INVENTOR(S): Mack, David H.; Gish, Kurt C.; Afar, Daniel  
PATENT ASSIGNEE(S): EOS Biotechnology, Inc., USA  
SOURCE: PCT Int. Appl., 414 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 4  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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Search completed by David Schreiber 308-4292

----- WO 2002059377 A2 20020801 WO 2002-US2242 20020124  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
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----- WO 2002059377 A2 20020801 WO 2002-XA2242 20020124  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
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BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

----- WO 2002059377 A2 20020801 WO 2002-XB2242 20020124  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

----- WO 2002059377 A2 20020801 WO 2002-XC2242 20020124  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

## PRIORITY APPLN. INFO.:

US 2001-263965P P 20010124  
US 2001-265928P P 20010202  
US 2001-282698P P 20010409  
US 2001-829472 A 20010409  
US 2001-288590P P 20010504  
US 2001-294443P P 20010529  
WO 2002-US2242 W 20020124

AB The invention concerns genes whose expression are up-regulated or down-regulated in breast cancer. Related methods and compns. that can be used for diagnosis and treatment of breast cancer are disclosed. Also described herein are methods that can be used to identify modulators of breast cancer.

L7 ANSWER 3 OF 9 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:828445 HCPLUS

DOCUMENT NUMBER: 136:396992

TITLE: Human nucleic acids and polypeptides and their diagnostic and therapeutic uses

INVENTOR(S): Drmanac, Rodoje T.; Liu, Chenghua; Tang, Y. Tom  
 PATENT ASSIGNEE(S): Hyseq, Inc., USA  
 SOURCE: PCT Int. Appl., 103 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 76  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001075067	A2	20011011	WO 2001-XI8631	20010330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2001075067	A2	20011011	WO 2001-US8631	20010330
WO 2001075067	A3	20020404		
WO 2001075067	C2	20021031		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2000-540217	A 20000331
			US 2000-649167	A 20000823
			WO 2001-US8631	W 20010330

**AB** The present invention provides 30,368 nucleic acids and the 30,368 novel human polypeptide sequences encoded by these nucleic acids. A plurality of novel nucleic acids are obtained from cDNA libraries prep'd. from various human tissues and in some cases isolated from a genomic library derived from human chromosomes using std. PCR, sequencing by hybridization signature anal., and Sanger sequencing techniques. Nearest neighbor results are identified by sequence homol. searching. The invention also relates to therapeutic, diagnostic, and research utilities for these polynucleotides and proteins. [This abstr. record is one of ten records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.]

L7 ANSWER 4 OF 9 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:565205 HCPLUS  
 DOCUMENT NUMBER: 135:163402  
 TITLE: Human nucleic acids and their encoded proteins and antibodies  
 INVENTOR(S): Rosen, Craig A.; Barash, Steven C.; Ruben, Steven M.  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA  
 SOURCE: PCT Int. Appl., 753 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 90  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055326	A2	20010802	WO 2001-US1347	20010117
W: AE, AG, AL, AM, AT, AU, AZ, CR, CU, CZ, DE, DK, DM, DZ, HU, ID, IL, IN, IS, JP, KE, LU, LV, MA, MD, MG, MK, MN, SD, SE, SG, SI, SK, SL, TJ, YU, ZA, ZW, AM, AZ, BY, KG, RW: GH, GM, KE, LS, MW, MZ, SD, BJ, CF, CG, CI, CM, GA, GN,	BA, BB, BG, BR, BY, BZ, CA, CH, CN, EE, ES, FI, GB, GD, GE, GH, GM, HR, KG, KP, KR, KZ, LC, LK, LR, LS, LT, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, TM, TR, TT, TZ, UA, UG, US, UZ, VN, AT, BE, CH, CY, IE, IT, LU, MC, NL, PT, SE, TR, BF, GW, ML, MR, NE, SN, TD, TG			
AU 2001041413	A5	20010807	AU 2001-41413	20010117
AU 2001041416	A5	20010807	AU 2001-41416	20010117
AU 2001041417	A5	20010807	AU 2001-41417	20010117
AU 2001050770	A5	20010807	AU 2001-50770	20010117
US 2002042096	A1	20020411	US 2001-764887	20010117
US 2002077270	A1	20020620	US 2001-764848	20010117
US 2002086811	A1	20020704	US 2001-764861	20010117
US 2002086820	A1	20020704	US 2001-764862	20010117
US 2002086821	A1	20020704	US 2001-764881	20010117
US 2002086822	A1	20020704	US 2001-764886	20010117
US 2002086823	A1	20020704	US 2001-764889	20010117
US 2002086330	A1	20020704	US 2001-764893	20010117
US 2002090615	A1	20020711	US 2001-764878	20010117
US 2002090674	A1	20020711	US 2001-764903	20010117
US 2002094953	A1	20020718	US 2001-764860	20010117
US 2002102638	A1	20020801	US 2001-764846	20010117
US 2002119919	A1	20020829	US 2001-764855	20010117
US 2002132767	A1	20020919	US 2001-764847	20010117
US 2002147140	A1	20021010	US 2001-764877	20010117
US 2002151479	A1	20021017	US 2001-764873	20010117
US 2002161208	A1	20021031	US 2001-764884	20010117
US 2002164685	A1	20021107	US 2001-764857	20010117
US 2002173454	A1	20021121	US 2001-764904	20010117
AU 2001052878	A5	20010807	AU 2001-52878	20010129
AU 2001043137	A5	20010814	AU 2001-43137	20010205
US 2002045230	A1	20020418	US 2001-908711	20010720
US 2003013649	A1	20030116	US 2001-989442	20011121
PRIORITY APPLN. INFO.:				
			US 2000-179065P	P 20000131
			US 2000-180628P	P 20000204
			US 2000-184664P	P 20000224
			US 2000-186350P	P 20000302
			US 2000-189874P	P 20000316
			US 2000-190076P	P 20000317
			US 2000-198123P	P 20000418
			US 2000-205515P	P 20000519
			US 2000-209467P	P 20000607
			US 2000-214886P	P 20000628
			US 2000-215135P	P 20000630
			US 2000-216647P	P 20000707
			US 2000-216880P	P 20000707
			US 2000-217487P	P 20000711
			US 2000-217496P	P 20000711
			US 2000-218290P	P 20000714
			US 2000-220963P	P 20000726

US	2000-220964P	P	20000726
US	2000-224518P	P	20000814
US	2000-224519P	P	20000814
US	2000-225213P	P	20000814
US	2000-225214P	P	20000814
US	2000-225266P	P	20000814
US	2000-225267P	P	20000814
US	2000-225268P	P	20000814
US	2000-225270P	P	20000814
US	2000-225447P	P	20000814
US	2000-225757P	P	20000814
US	2000-225758P	P	20000814
US	2000-225759P	P	20000814
US	2000-226279P	P	20000818
US	2000-226681P	P	20000822
US	2000-226868P	P	20000822
US	2000-227182P	P	20000822
US	2000-227009P	P	20000823
US	2000-228924P	P	20000830
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US	2000-229287P	P	20000901
US	2000-229345P	P	20000901
US	2000-229509P	P	20000905
US	2000-229513P	P	20000905
US	2000-231413P	P	20000908
US	2000-232398P	P	20000914
US	2000-234223P	P	20000921
US	2000-234274P	P	20000921
US	2000-234997P	P	20000925
US	2000-235834P	P	20000927
US	2000-236327P	P	20000929
US	2000-236367P	P	20000929
US	2000-236368P	P	20000929
US	2000-236369P	P	20000929
US	2000-236370P	P	20000929
US	2000-236802P	P	20001002
US	2000-237037P	P	20001002
US	2000-237039P	P	20001002
US	2000-237040P	P	20001002
US	2000-241785P	P	20001020
US	2000-241809P	P	20001020
US	2000-244617P	P	20001101
US	2000-249299P	P	20001117
US	2000-249300P	P	20001117
US	2000-250160P	P	20001201
US	2000-251856P	P	20001208
US	2000-251868P	P	20001208
US	2000-251869P	P	20001208
US	2000-251990P	P	20001208
US	2001-764853	A2	20010117
US	2001-764856	A2	20010117
US	2001-764863	B1	20010117
US	2001-764864	A2	20010117
US	2001-764867	A2	20010117
US	2001-764868	A2	20010117
US	2001-764869	A2	20010117
US	2001-764870	A2	20010117
US	2001-764874	A2	20010117

US 2001-764882	A2 20010117
US 2001-764888	A2 20010117
US 2001-764891	A2 20010117
US 2001-764892	A2 20010117
US 2001-764896	A2 20010117
US 2001-764898	A2 20010117
US 2001-764902	A2 20010117
US 2001-764905	A2 20010117
WO 2001-US1239	A2 20010117
WO 2001-US1307	A2 20010117
WO 2001-US1312	A2 20010117
WO 2001-US1320	A2 20010117
WO 2001-US1329	A2 20010117
WO 2001-US1334	A2 20010117
WO 2001-US1336	A2 20010117
WO 2001-US1339	A2 20010117
WO 2001-US1340	A2 20010117
WO 2001-US1341	A2 20010117
WO 2001-US1344	A2 20010117
WO 2001-US1345	A2 20010117
WO 2001-US1347	A2 20010117
WO 2001-US1348	A2 20010117
WO 2001-US1360	A2 20010117

AB The present invention relates to novel polynucleotides and the polypeptides encoded by these polynucleotides. More specifically, 233 isolated cDNA mols. are provided encoding novel polypeptides. Novel polypeptides and **antibodies** that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compns. for inhibiting the prodn. and function of the polypeptides of the present invention. The Sequence Listing was provided as an electronic file, but was not made available in the release of this patent.

L7 ANSWER 5 OF 9 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:545709 HCPLUS  
 DOCUMENT NUMBER: 135:148240  
 TITLE: Human nucleic acids and polypeptides  
 INVENTOR(S): Tang, Y. Tom; Liu, Chenghua; Asundi, Vinod; Chen, Rui-hong; Ma, Yunqing; Qian, Xiaohong B.; Ren, Feiyan; Wang, Dunrui; Wang, Jian-rui; Wang, Zhiwei; Wehrman, Tom; Xu, Chongjun; Xue, Aidong J.; Yang, Yonghong; Zhang, Jie; Zhao, Qing A.; Zhou, Ping; Goodrich, Ryle; Drmanac, Radoje T.  
 PATENT ASSIGNEE(S): Hyseq, Inc., USA; et al.  
 SOURCE: PCT Int. Appl., 10078 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 76  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001053312	A1	20010726	WO 2000-US34263	20001226
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 2001025965	A5	20010731	AU 2001-25965	20001222
AU 2001027284	A5	20010731	AU 2001-27284	20001226
EP 1242443	A1	20020925	EP 2000-990231	20001226
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2002197679	A1	20021226	US 2002-98841	20020313
PRIORITY APPLN. INFO.:			US 2000-488725	A 20000121
			US 2000-552317	A 20000425
			US 2000-598042	A 20000709
			US 2000-620312	A 20000719
			US 2000-653450	A 20000831
			US 2000-662191	A 20000915
			US 2000-693036	A 20001019
			US 2000-727344	A 20001129
			US 1999-471275	A 19991223
			WO 2000-US35190	W 20001222
			WO 2000-US34263	W 20001226

AB The present invention provides 1768 novel nucleic acids, novel polypeptide sequences encoded by these nucleic acids, and uses thereof. A plurality of novel nucleic acids were obtained from cDNA libraries prep'd. from various human tissues and in some cases from a genomic library derived from human chromosomes using std. PCR, sequencing by hybridization (SBH) sequence signature anal., and Sanger sequencing techniques. The contigs or nucleic acids of the present invention were assembled using an EST sequence as a seed, with a recursive algorithm used to extend the seed EST into an extended assemblage by pulling addnl. sequences from different databases that belong to this assemblage. Full-length gene cDNA sequences and their corresponding protein sequences were generated from the assemblage.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 9	HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:	2001:106057 HCAPLUS
DOCUMENT NUMBER:	134:188987
TITLE:	Human expressed sequence tags and primers for synthesizing full-length cDNAs
INVENTOR(S):	Ota, Toshio; Isogai, Takao; Nishikawa, Tetsuo; Hayashi, Kohji; Saito, Kaoru; Yamamoto, Junichi; Ishii, Shizuko; Sugiyama, Tomoyasu; Wakamatsu, Ai; Nagai, Keiichi; Otsuki, Tetsuji
PATENT ASSIGNEE(S):	Helix Research Institute, Japan
SOURCE:	Eur. Pat. Appl., 2527 pp.
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	9
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1074617	A2	20010207	EP 2000-116126	20000728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002171977	A2	20020618	JP 2000-196309	20000626
EP 1205549	A1	20020515	EP 2000-948282	20000728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2002191363	A2	20020709	JP 2000-280990	20000728
US 2003017480	A1	20030123	US 2002-60065	20020129
PRIORITY APPLN. INFO.:				
			JP 1999-248036	A 19990729
			JP 1999-300253	A 19990827
			JP 2000-118776	A 20000111
			JP 2000-183767	A 20000502
			JP 2000-241899	A 20000609
			US 1999-159590P	P 19991018
			US 2000-183322P	P 20000217
			WO 2000-JP5061	A2 20000728
			WO 2000-JP5065	W 20000728

AB Primers for synthesizing full-length cDNAs and their use are provided. The invention provides 5'-end sequences for 5602 partial cDNA sequences (expressed sequence tags, ESTs) and 3'-end sequences for 4970 of these clones. Furthermore, primers for synthesizing the full-length cDNA have been provided to clarify the function of the protein encoded by the cDNA. The full-length cDNA sequences s of the present invention contg. the translation start site provides information useful for analyzing the functions of the proteins. Tissue- and cell-specific expression patterns are also provided. [This abstr. record is one of 6 records for this patent necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

L7 ANSWER 7 OF 9 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:710448 HCPLUS  
 DOCUMENT NUMBER: 133:262341  
 TITLE: Expressed sequence tags and encoded human proteins  
 INVENTOR(S): Dumas Milne Edwards, Jean-Baptiste; Duclert, Aymeric;  
 Giordano, Jean-Yves  
 PATENT ASSIGNEE(S): Genset, Fr.  
 SOURCE: Eur. Pat. Appl., 71 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 8  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1033401	A2	20000906	EP 2000-200610	20000221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001269182	A2	20011002	JP 2000-118773	20000224
JP 1999-122487P P 19990226				
PRIORITY APPLN. INFO.:				
AB	The sequences of 5' ESTs derived from human mRNAs encoding secreted proteins are disclosed. The 5' ESTs may be used to obtain cDNAs and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion			

vectors. [This abstr. record is the second of 8 records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.]

L7 ANSWER 8 OF 9 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1999:673017 HCPLUS  
 DOCUMENT NUMBER: 131:307686  
 TITLE: 5'-Expressed sequence tags for secreted proteins identified from human tissues  
 INVENTOR(S): Dumas Milne Edwards, Jean-Baptiste; Duclert, Aymeric;  
 Giordano, Jean-Yves  
 PATENT ASSIGNEE(S): Genset S. A., Fr.  
 SOURCE: PCT Int. Appl., 837 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9953051	A2	19991021	WO 1999-IB712	19990409
WO 9953051	A3	20000406		
W: AU, CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2319089	AA	19991021	CA 1999-2319089	19990409
AU 9930501	A1	19991101	AU 1999-30501	19990409
EP 1068312	A2	20010117	EP 1999-912007	19990409
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002511259	T2	20020416	JP 2000-543599	19990409
PRIORITY APPLN. INFO.:			US 1998-57719	A 19980409
			US 1998-69047	A 19980428
			WO 1999-IB712	W 19990409

AB The sequences of the 5' ends of 788 expressed sequence tags (ESTs) derived from mRNAs encoding human secreted proteins are disclosed. Chem. and enzymic methods of obtaining mRNAs with intact 5' ends, computer anal. of the isolated 5' ESTs, generation of consensus contiguated 5' ESTs, and identification of open reading frames and potential signal sequences are described. Total human RNA or poly(A)+ RNAs derived from 29 different tissues were purchased from LABIMO and CLONTECH and used to generate 44 cDNA libraries. Preps. of mRNAs with <5% of rRNA and uncontaminated by exogenous sequences (prokaryotic or fungal) were used in library construction. Seven hundred five of the nucleic acids have an incomplete ORF which encodes a signal peptide, 47 have an incomplete ORF in which no sequence encoding a signal peptide has been identified, 27 have a complete ORF which encodes a signal peptide, and 19 have a complete ORF in which no sequence encoding a signal peptide has been identified. Tissue of origin and spatial and temporal tissue expression patterns of mRNAs corresponding to each of the 5' ESTs are also provided. The 5' ESTs may be used to obtain cDNAs, and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.

L7 ANSWER 9 OF 9 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1999:113805 HCPLUS

DOCUMENT NUMBER: 130:178372  
 TITLE: 5'-Expressed sequence tags for secreted proteins identified from various human tissues  
 INVENTOR(S): Dumas Milne Edwards, Jean-Baptiste; Duclert, Aymeric; Lacroix, Bruno  
 PATENT ASSIGNEE(S): Genset, Fr.  
 SOURCE: PCT Int. Appl., 411 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9906553	A2	19990211	WO 1998-IB1237	19980731
WO 9906553	A3	19990408		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9885556	A1	19990222	AU 1998-85556	19980731
EP 1000151	A2	20000517	EP 1998-936595	19980731
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002525024	T2	20020813	JP 2000-505294	19980731
PRIORITY APPLN. INFO.:			US 1997-905051 A	19970801
			WO 1998-IB1237 W	19980731

AB The sequences of the 5' ends of 147 expressed sequence tags (ESTs) derived from mRNAs encoding human secreted proteins expressed in various tissues are disclosed. Chem. and enzymic methods of obtaining mRNAs with intact 5' ends are described: (1) a chem. modification method involving derivatization of the 5' ends of the mRNAs and selection of the derivatized mRNAs, and (2) treatment with alk. phosphatase to remove the phosphate groups present on the 5' ends of uncapped incomplete mRNAs and treatment with a decapping enzyme such as T4 polynucleotide kinase or tobacco acid pyrophosphatase to remove the cap present on full-length mRNAs. The 5' ESTs are screened to identify those having an uninterrupted open reading frame longer than 45 nucleotides beginning with an ATG codon and extending to the end of the EST, and then search to identify potential signal motifs with a score of at least 3.5 in the Von Heijne signal peptide identification matrix. The 5' ESTs may be used to obtain cDNAs, and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.